

NOTE:
MD 97 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNALS
TO REMAIN
1,2,3,4,
5,6,7,8,
9,10,11
R
Y
G

EXISTING SIGNALS
TO BE REMOVED
12a,13a,14a,15a
16
17

PROPOSED LED SIGNALS
12,13,14,15
16" LED
COUNTDOWN
PEDESTRIAN
SIGNAL HEAD

EXISTING SIGNS
TO REMAIN
16,17
R3-2 (MOD)
(30"x30")
18,20
ONLY
R3-5L
(30"x36")

EXISTING SIGNS
TO BE REMOVED
19
GEORGIA AVE
107002
D3-2
(16"xVAR.)

EXISTING SIGNS
TO BE REMOVED
23
W11-2a
(36"x36")
M6-2
(15"x21")
21a,26a
W11-2a
(36"x36")
M6-2
(15"x21")

PROPOSED SIGNS
21,26
W11-2a
(36"x36")
M6-2
(15"x21")
22,25
W11-2a
(36"x36")
M6-2
(15"x21")
27
SHIELD
ASSEMBLY
(24"x51")
28
SHIELD
ASSEMBLY
(24"x75")

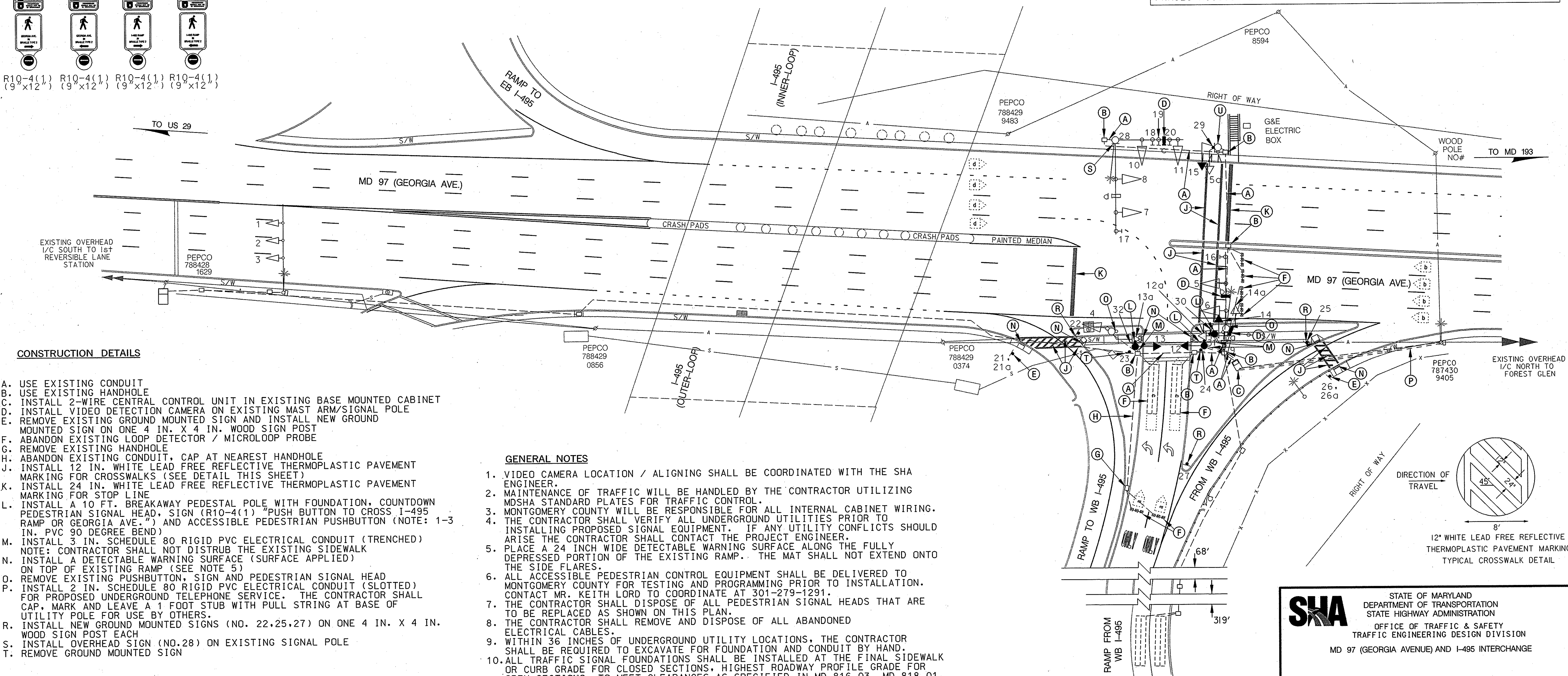
NEMA PHASING
02
CLEARANCE
04
FLASHING
OPERATION
06
CLEARANCE
04 ALT.

NOTE:
PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED ACCESSIBLE
PUSHBUTTON AND SIGN
29
30
31
32
R10-4(1)
(9"x12")
R10-4(1)
(9"x12")
R10-4(1)
(9"x12")
R10-4(1)
(9"x12")

PROPOSED VIDEO
DETECTION CAMERA
a,b,c

EXISTING VIDEO
DETECTION CAMERA
d



CONSTRUCTION DETAILS

- USE EXISTING CONDUIT
- USE EXISTING HANDHOLE
- INSTALL 2-WIRE CENTRAL CONTROL UNIT IN EXISTING BASE MOUNTED CABINET
- INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM/SIGNAL POLE
- REMOVE EXISTING GROUND MOUNTED SIGN AND INSTALL NEW GROUND MOUNTED SIGN ON ONE 4 IN. X 4 IN. WOOD SIGN POST
- ABANDON EXISTING LOOP DETECTOR / MICROLOOP PROBE
- REMOVE EXISTING HANDHOLE
- ABANDON EXISTING CONDUIT, CAP AT NEAREST HANDHOLE
- INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS (SEE DETAIL THIS SHEET)
- INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE
- INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, COUNTDOWN PEDESTRIAN SIGNAL HEAD, SIGN (R10-4(1) "PUSH BUTTON TO CROSS I-495 RAMP OR GEORGIA AVE.") AND ACCESSIBLE PEDESTRIAN PUSHBUTTON (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) NOTE: CONTRACTOR SHALL NOT DISTURB THE EXISTING SIDEWALK
- INSTALL A DETECTABLE WARNING SURFACE (SURFACE APPLIED) ON TOP OF EXISTING RAMP (SEE NOTE 5)
- REMOVE EXISTING PUSHBUTTON, SIGN AND PEDESTRIAN SIGNAL HEAD
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. THE CONTRACTOR SHALL CAP, MARK AND LEAVE A 1 FOOT STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
- INSTALL NEW GROUND MOUNTED SIGNS (NO. 22,25,27) ON ONE 4 IN. X 4 IN. WOOD SIGN POST EACH
- INSTALL OVERHEAD SIGN (NO.28) ON EXISTING SIGNAL POLE
- REMOVE GROUND MOUNTED SIGN

GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.
- MONTGOMERY COUNTY WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- PLACE A 24 INCH WIDE DETECTABLE WARNING SURFACE ALONG THE FULLY DEPRESSED PORTION OF THE EXISTING RAMP. THE MAT SHALL NOT EXTEND ONTO THE SIDE FLARES.
- ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO MONTGOMERY COUNTY FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. KEITH LORD TO COORDINATE AT 301-279-1291.
- THE CONTRACTOR SHALL DISPOSE OF ALL PEDESTRIAN SIGNAL HEADS THAT ARE TO BE REPLACED AS SHOWN ON THIS PLAN.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
- WITHIN 36 INCHES OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL CENTER PROPOSED CROSSWALKS ON EXISTING RAMP.
- SEE GENERAL INFORMATION SHEET FOR PROPOSED POLE AND PAVEMENT MARKING LOCATIONS.
- THE CONTRACTOR SHALL CONTACT MCDPQ&T TMC AT 240-777-2100, 72 HOURS PRIOR TO MARK UNDERGROUND SIGNAL EQUIPMENT.
- ALL PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH MSHA STANDARDS.

UTILITY LEGEND

SD SD STORM DRAIN
G G GAS MAIN
W W WATER MAIN
S S SEWER MAIN
E E ELECTRIC CABLES
A A AERIAL CABLES
T T TELEPHONE CABLES
F F FIBER-OPTIC

STV Incorporated

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7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 97 (GEORGIA AVENUE) AND I-495 INTERCHANGE

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=30' DATE 9-24-99 CONTRACT NO. M0857A5D
DESIGNED BY COUNTY MONTGOMERY
DRAWN BY SB LOGMILE 15009701.50
CHECKED BY RRZ T.I.M.S. NO. H326
F.A.P. NO. TOD NO.
DRAWING NO. TS-3636C OF SHEET NO. OF

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